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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

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Attomey Docket No.	1875.3610001
First Inventor	Pieter Vorenkamp
Title	A High Speed Data Link With Transmitter Equalization and Receiver Equalization
Express Mail Label No.	

-	APPLICATION ELEMENTS napter 600 concerning utility patent application contents.	ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450					
(Submit at Applican See 37 (Specifica (preferred - Descript - Cross R - Stateme - Referen or a com - Backgro - Brief Su - Brief De	d arrangement set forth below) bive title of the invention Reference to Related Applications lent Regarding Fed sponsored R & D nce to sequence listing, a table, mputer program listing appendix ound of the Invention ummary of the Invention escription of the Drawings (if filed) id Description	ADDRESS TO: Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450 7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS					
- Abstract 4. X Drawing 5. Oath or Declar a. X Newly b. Copy (for composite of the compo	g(s) (35 U.S.C. 113) [Total Sheets] aration [Total Sheets] aration [Total Sheets] gly executed (original or copy) y from a prior application (37 CFR 1.63(d)) continuation/divisional with Box 18 completed) DELETION OF INVENTOR(S) igned statement attached deleting inventor(s) ame in the prior application, see 37 CFR .63(d)(2) and 1.33(b). cation Data Sheet. See 37 CFR 1.76	9. X Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement Power of (when there is an assignee) Attorney 11. English Translation Document (if applicable) 12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations 13. Preliminary Amendment 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. Authorization under 37CFR 1.136(a)(3) The name of the assignee is: Broadcom Corporation					
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner Art Unit: For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.							
	<u> </u>	IDENCE ADDRESS					
X Custome	er Number: 26111	OR Correspondence address below					
Name	Sterne, Kessler, Goldstein & Fox P.L.L.C	2.					
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City		State Zip Code					
Country	T ₁	elephone Fax					
Name (Print/Type	e) Jeffrey T. Helvey	Registration No. (Attorney/Agent) 44,757					
Signature	Tell Helver	Date 10/8/03					

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 112 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



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Teresa Colella Jon Wright Victoria Rutherford W. Brian Edge

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October 8, 2003

WRITER'S DIRECT NUMBER: (202) 772-8675 INTERNET ADDRESS: JHELVEY@SKGF.COM

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re: U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)

(claiming priority to U.S. Provisional Appl. No. 60/416,578; filed: 10/8/2002)

Appl. No. (to be assigned); Filed: Herewith

For: A High Speed Data Link With Transmitter Equalization and

Receiver Equalization

Inventors: Pieter Vorenkamp et. al

Our Ref: 1875.3610001

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

- 1. PTO Fee Transmittal (Form PTO/SB/17);
- 2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
- 3. U.S. Non-Provisional Utility Patent Application entitled:

A High Speed Data Link With Transmitter Equalization and Receiver Equalization

and naming as inventors:

Pieter Vorenkamp; and Aaron Buchwald

the application consisting of:

- a. An Application Data Sheet (37 C.F.R. § 1.76);
- b. An original executed Declaration;

Sterne, Kessler, Goldstein & Fox PLLC. : 1100 New York Avenue, NW : Washington, DC 20005 : 202.371.2600 f 202.371.2540 : www.skgf.com

Commissioner for Patents October 8, 2003 Page 2

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- i. 9 pages of description prior to the claims;
- ii. 4 pages of claims (28 claims);
- iii. a one (1) page abstract; and
- d. 12 sheets of drawings: (Figures 1, 2, 3A, 3B, 3C, 3D, 3E, 3F, 4A, 4B, 4C, 5, 6, 7, 8 and 9);
- 4. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3);
- 5. Recordation Form Cover Sheet;
- 6. An original executed Assignment to Broadcom Corporation, recordation of which is hereby respectfully requested;
- 7. Two (2) return postcards; and
- 8. PTO-2038 Credit Card Payment Form for \$1,040.00 to cover:

\$ <u>770.00</u>	for Non-Provisional Application Filing Fee;
\$ 230.00	fee for additional claims; and
\$_40.00	for Assignment Recordation Fee.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jeffrey T. Helvey

Attorney for Applicants Registration No. 44,757

J. H. Helves

JTH/agj SKGF_DCI:185741.1

Sterne, Kessler, Goldstein & Fox PLLC : 1100 New York Avenue, NW : Washington, DC 20005 : 202.371.2600 f 202.371.2540 : www.skgf.com

PTO/SB/17 (08-03)

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FEE	TR	AN	SMI	T٦	ΓAL
	for	FY	200	3	

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 1,040.00

Complete if Known			
Application Number	(to be assigned)		
Filing Date	Herewith		
First Named Inventor	Pieter Vorenkamp		
Examiner Name	(to be assigned)		
Art Unit	(to be assigned)		
Attorney Docket No.	1875 3610001		

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)				
Check X Credit card Money X Other None	3. ADDITIONAL FEES					
Deposit Account: * Charge any deficiencies or credit	<u>Large l</u> Fee		Small		,	
Deposit paleulations of Parts 1, 2, and 3		Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
Account Number below to Deposit Acct. No. 19-0036.	1051	130	2051	65	Surcharge - late filing fee or oath	
Deposit Account Sterne Kessler, Goldstein & Fox P.L.L.C.	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
Name The Commissioner is authorized to: (check all that apply)	1053	130	1053	130	Non-English specification	
X Charge fee(s) indicated below X Credit any overpayments	1812	2520	1812	2520	For filing a request for ex parte reexamination	<u> </u>
X Charge any additional fee(s) during the pendency of this application	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805	1840*	1805	1840*	Requesting publication of SIR after Examiner action	
FEE CALCULATION	1251	110	2251	55	Extension for reply within first month	
1. BASIC FILING FEE	1252	420	2252	210	Extension for reply within second month	<u> </u>
Large Entity Small Entity	1253	950	2253	475	Extension for reply within third month	
Fee Fee Fee Fee Fee Description Fee Paid	1254	1480	2254	740	Extension for reply within fourth month	
1001 770 2001 385 Utility filing fee	1255	2010	2255	1005	Extension for reply within fifth month	
1002 340 2002 170 Design filing fee	1401	330	2401	165	Notice of Appeal	
1003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing a brief in support of an appeal	
1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451	1510	1451	1510	Petition to institute a public use proceeding	
SUBTOTAL (1) (\$) 770.00	1452	110	2452	55	Petition to revive - unavoidable	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1453	1330	2453	665	Petition to revive - unintentional	
Fee from	1501	1330	2501	665	Utility issue fee (or reissue)	
Total Claims 28 -20** = 8 X 18.00 = 144.00	1502 1503	480	2502	240	Design issue fee	
Independent		640	2503	320	Plant issue fee	
		130	1460	130	Petitions to the Commissioner	
270,00		50	1807	50	Processing fee under 37 CFR 1.17(q)	
Large Entity Small Entity Fee Fee Fee Fee Fee Description		180	1806	180	Submission of Information Disclosure Stmt	
Code (\$) Code (\$) 1202 18 2202 9 Claims in excess of 20	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	\$40.00
1202 16 2202 9 Claims in excess of 20 1201 86 2201 42 Independent claims in excess of 3	1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1203 290 2203 140 Multiple dependent claim, if not paid	1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1204 86 2204 42 ** Reissue independent daims over original patent	1801	770	2801	385	Request for Continued Examination (RCE)	
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802	900	1802	900	Request for expedited examination of a design application	
		Other fee (specify)				
SUBTOTAL (2) [(\$) 230.00] **or number previously paid, if greater, For Reissues, see above	*Redu	iced by	Basic	Filing F	ee Paid SUBTOTAL (3) (\$)	40.00
70.00						

(Complete (if applicable) SUBMITTED BY Registration No. Name (Print/Type) Telephone (202) 371-2600 Jeffrey T. Helvey 44,757 Signature Date

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Pieter Vorenkamp et. al

Appl. No.: (to be assigned)

Filed: Herewith

For: A High Speed Data Link With Transmitter Equalization and

Receiver Equalization

Confirmation No.: (to be assigned)

Art Unit: (to be assigned)

Examiner: (to be assigned)

Atty. Docket: 1875.3610001

Authorization to Treat a Reply as Incorporating an Extension of Time Under 37 C.F.R. § 1.136(a)(3)

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jeffrey T. Helvey

Attorney for Applicants Registration No. 44,757

Jeff Helver

Date: October 8, 2003

1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600 JTH/agj SKGF_DCI:186063.1